BIOTROPICA 35(4): 569–573 2003

Author and Subject Index, Volume 35

SUBJECT/AUTHOR PAGE

accuracy 419
Aceros undulatus 208
Aechmea magdalenae 189
Aechmea pectinata 289
aerodynamic environment 94
Agalychnis 94
agaonidae 333
age of trees 306
age structure 550
aggregated distribution 74
Aguilar, Gabriel 375
Akbar, Zubaid 491
Alouatta palliata 375
Altshuler, Douglas L. 344
Amazon 530
Amazonia 2, 103, 295, 115, 262, 503
Amazonian forest 20, 74
Amazonian savannas 262
ambient light habitats 344
amino acid 119
amphidromy 125
Andes 226
Andrade, Leonaldo A. 154
angiosperms 48
animal mobility 262
ant behavior 181
Anthracoceros albirostris 208
ants 295
Aponte, César 550
aquatic insects 226
Arbiteus intermedius 405
Arimases angustipes 289
Arunachal Pradesh 208
assemblages, pollinator 198
Atlantic forest 278, 419
Atta 181
Atta colombica 441
Ayzama, Sergio 394
Azteca 181
Balding, Sharon T. 491
Ballinger, Royce E. 240
Baptista, Márcia 278
Barbosa, Maria Regina V. 154
Barreto, Guillermo R. 550
Barro Colorado Island 189, 441
basal area 154, 166
basal resource utilization 84
bat mobility 262
bat roosts 262, 405
bats 278, 491
bees 344, 520
bees, euglossine 198
bees, tropical 119
below–aboveground morphology 318
Benstead, Jonathan P. 125
benthic community structure 125
Benítez-Malvido, Julieta 530
Bernard, Enrico 262
beta diversity 20, 278, 394
biannual cycles 250
Biesboer, David D. 546
biomass 37
biomechanics 94
biotic defense 295
body growth rate 550
Bolivia 198, 394, 450, 486
botany 560
Brazil 2, 74, 103, 154, 262, 278, 289, 356, 503, 546
Brazilian forests 2
breeding phenology 250
Bromeliaceae 37, 546
bromelicolous crab 289
browsing 429
Bruna, Emilio M. 295
bryophytes 12
Buceros bicornis 208
butterflies 356, 555
C:N ratio 486
Calakmul 405
Calophyllum brasiliense 462
Canela, Maria Bernadete F. 289
canopy height 166
canopy openness 472
capture rates 520
Caribbean 84
Carlsen, Mónica 48
Castro, K. L. 134
Cavelier, Jaime 20
Cecidomyiidae 115
Cerqueira, Rui 419
Cerrado 503
changes in forest structure 450
Chapman, Colin A. 382
Chapman, Lauren J. 382
Chiroptera 262
Chocó 520
chronosequence 12
cinnamon-bellied flowerpiercer 250
Clark, Deborah A. 306
cloud forest 28, 67
Cocha Cashu 462
Cogni, Rodrigo 115
collared peccaries 189
Colli, Guarino Rinaldi 503
Colombia 20, 520
colonization 333
communal oviposition 555
community structure 503
conifer 560
conservation 405
Corcovado National Park 365
Costa Rica 37, 48, 57, 94, 143, 198, 219, 306, 365, 375, 385, 434
Costa, Flávia R. C. 103
Costus 198
cotyledon function 429
Cozadd, Duane 434
crab 289
Crematogaster 181
cyclone 166
Dacrydium 560
Dasyprocta leporina 74

Datta, Aparajita 208
de Freitas, Cecília A. 546
de Gouvenain, Roland C. 166
Decapoda 84
decaying wood 12
deforestation 405
demography 240
Diglossa baritula 250
Dilcher, David 434
Dillenia 560
dioecious *Ficus* 333
Diptera 115
disease 429
dispersal 375, 491
distribution 226
distribution of epiphytic bromeliads 37
distribution of trees 74
disturbance 542
diversity of understory 103
dung beetles 382, 394
Duque, Alvaro 20
ecological matrix 262
ecotone 394
ectomycorrhizae 143
Ecuador 226
edge effects 394, 530
effects of selective logging 103
El Niño southern oscillation 189
elevational gradient 486
Elmidae 226
emergent trees 306
Ephemeroptera 226
epiphytes 37, 48, 546
Esbérard, Carlos E. L. 278
Eugenia xalapensis 28
Euglossa 520
euglossine bees 198, 520
Eulaema 520
Evelyn, Michelle J. 405
experimental monospecific plantations 37
exploration 560
extinction 503
feeding choice 119
Fenton, M. Brock 262
Fernandes, G. Wilson 115
ferns 486
Fetcher, Ned 472
Fichtler, Esther 306
Ficus 333
fig 333
fine root biomass 143
fine root density 143
Finotti, Ricardo 419
flooding 546
floodplain 462
floral color 344
florivory 289
flowering understory 103
foliar herbivory 67
folivory 67
food web structure 84
foraging 208
forest chronosequence 2
forest fallows 2
forest fragmentation 405
forest–savanna ecotone 181
forest structure 166
forest understory 181
fossil plants 434
four Neotropical forests 344
fragmentation 382, 530
Fragoso, José M. V. 74
Freitas, Simone Rodrigues 419
freshwater shrimps 125
Frizano, Jacqueline 2
frugivorous bats 405
frugivory 208, 491
fruit availability 208
fruit bats 491
fruiting phenology 74
fruiting understory 103
Gainsbury, Alison Melissa 503
gallery forest 181
galling insects 115
gap 181
Gardener, Mark C. 119
Gecarcinidae 365
Gecarcinus quadratus 365
genetic variation in monkeys 375
Geochelone carbonaria 550
Gergalio, Helena Godoy 278
Gillman, Michael P. 119
Glander, Kenneth E. 375
gliding tree frogs 94
Greater Antilles 84
growth 240
Guerra, Betsabé R. 115
Gutierrez-Espeleta, Gustavo A. 375
Guzmán-Grajales, Sandra M. 472
Guzmania 37
habitat fragmentation 262, 375, 550
habitat irradiance 344
Haines, Bruce L. 219
Hamelia patens 57
Harriss, R. C. 134
Hawaii 12
herbivores 67
herbivory 181, 189, 429, 462
herbs 103
Herrera, Francisco 67
Hertel, Dietrich 143
Hodgkison, Robert 491
Hölscher, Dirk 143
home range 74, 262
Horn, Sally P. 434
hornbills 208
host plant flooding 115
host tree preference 48
host tree species 37
host tree specificity 37
Howard, Jerome J. 441
howler monkeys 375
Hull-Sanders, Helen M. 441
human intervention gradient 520
hummingbirds 57, 198, 289, 344
hurricane 166, 472
hyper-spectral remote sensing 134
India 208
induced defense 295
intraspecific competition 555
introgression 333
invasibility 422

inventories 278
invertebrate drift 125
isozymes 375
Johnson, Arthur H. 2
Johnson, Christine M. 2
Jones, F. Andrew 219
Jurinitz, Cristiane F. 115
Kalascka, M. R. 134
Kay, Kathleen M. 198
Kessler, Michael 486
Kibale National Park 382
King, Rachel T. 462
Kitajima, Kaoru 429
Klimas, Susan 48
knob-scaled lizard 240
Koelewijn, Hans P. 333
Krakatau 333
Kruijt, Marco 333
Kubinitu 560
Kunz, Thomas H. 491
La Selva 57, 94
La Selva, Costa Rica 306
La Selva Biological Station 434
labile phosphorus 2
land crabs 365
land use 422, 542
Lapola, David M. 295
larval aggregation 555
Lasso, Eloisa 57
Lawes, Michael J. 382
leaf area 37
leaf area index 134
leaf litter distributions 365
leaf removal function 429
Lemos-Espinal, Julio A. 240
Leuschner, Christoph 143
lichens 12
life history traits 550
life history variation 240
light 472
light availability 441
light transmittance 462
Linit, Marc J. 226
Lins, Viviane 278
litter traps 419
litterfall 419
lizards 503
Lodge, D. Jean 472
logging intensity 103
long-term growth of trees 306
long-term isolation 503
lotic 84, 226
Lott, Terry A. 434
low-trunk ferns 48
lower montane wet forest 542
lowland rain forest 491
lowland tropical rain forest 166
LTER 422, 542
Luckymis, Marston 125
Luquillo Experimental Forest 422
macroecology 226
Madagascar 166
Magnusson, William E. 103
Maieta guianensis 295
mainland coastal ecosystems 365
Malaysia 491
Mangolin, Renato 278
Manu National Park 462
Maracá Island Ecological Reserve 74
March, James G. 84, 125
Marinelli, Carlos E. 115
mark/recapture 262
Martínez-Ramos, Miguel 530
Matzek, Virginia 12
McCay, Michael G. 94
Mello, Marco Aurelio Ribeiro 278
Melo, Glauce G. S. 278
Merwin, Mark C. 37
methods 419
Mexico 28, 67, 240, 250, 405
Michelangeli, Fabian A. 181
Miconia glaberrima 28, 67
microenvironment 28
microhabitat 462
Micronesia 125
migration 125
mimicry, Müllerian 356
minimum sampling effort 278
mist netting 278
molt 250
monkeys, howler 375
monospecific plantations 37
monsoonal forest 333
montane cloud forest 486
montane rain forest 12
Moran, Robbin C. 48
Moussonia deppeana 28, 67
Müllerian mimicry 356
mutualism 295
myrmecophytes 295
myrmecophytism 181
Myster, Randall W. 422, 542
Nadkarni, Nalini M. 37
Naranjo, Maria Elena 57
natural hybridization 333
Naucoridae 226
nectar 119
nectar-eating birds 250
nectar production 57
nectar robbery 57
nectarivorous guild 57
nectarivory 491
neotropical bees 198
neotropical pre-montane pastures 219
neotropical forest 344, 394, 405
Neotropical rain forest 365
New World monkey 375
Nidularium 546
nitrogen 486
nitrogen fixation 12
nonbreeding season 208
nonlinear model 278
northeast India 208
null models 503
nutrient demand 143
nutrient limitation 12, 486
nutrients 472
Oceania 125
Ocotea psyhhotrioides 28, 67
old canopy 306
old fields 422
old-growth forests 143

organic debris 472
organic layer 143
organic phosphorus 2
Otero, J. Tupac 520
Oxisols 2
Pacific island stream 125
paleoclimate 434
paleoecology 434
Palicourea padifolia 28, 67
Palmae 74
Panama 189, 198, 429
Parish, Tracey L. 333
Passiflora 555
pasture plot 422
pasture regeneration 219
Paz, Horacio 318
Peña-Claros, Marielos 450
Pereira, Israel M. 154
Peru 462
Peterson, Chris J. 219
phenology 28
phosphorus 12
phosphorus fractionation 2
Phyllostomidae 278
physiographic units 20
Pinheiro, Carlos E. G. 356
plant density 154
plant fossils 434
plant height 154
Pleistocene 434
pollen 434
pollen deposition 57
pollination 491
pollination biology 198
pollination success 289
pollination syndromes 198
pollinator color sensitivity 344
pollinators 57, 520
Posada, Alberto 20
prawn 84
precision 419
prey choice 356
primary forests 2
Pringle, Catherine M. 84, 125
Pteridophyta 486
pteridophytes 48
Puerto Rico 84, 422, 472
Queensland, Australia 119
radio-tracking 262
radiocarbon dating 306
rain forest 84
rain forest canopy 94
rare species 20
Rawat, G. S. 208
RCC 84
recruitment 462
red-rumped Agouti 74
Reed, Robert D. 555
regeneration 154, 382, 450, 472, 542
remote sensing 134
Renne, Paul R. 434
Rentmeester, Steve A. 37
reproduction 103, 240
reproductive isolation 198
resource partitioning 208
Rivard, B. 134
river 84
Rocha, Oscar 375
rodents 382
roosting behavior 262
roosting requirements 405
root architecture 318
root area index 143
root mantle 48
root morphology 143
root/shoot ratio 318
Roraima 74
Rowe, Richard J. 119
Rubiaceae 57
Ruán-Tejeda, Irma 250
Sampaio, Everardo V. S. B. 154
sampling effort 419
Sanchez, Ronald 375
Sńchez-Azofeifa, G. A. 134
Sandino, Juan Carlos 520
Sanford, Robert L., Jr. 434
Santana C., Eduardo 250
savanna 394
Sazima, Marlies 289
Scarabaeidae 394
Scarano, Fabio R. 546
Schawe, Marcus 486
Schemske, Douglas W. 198
Schondube, Jorge E. 250
seasonal tropical forest 405
secondary forest 134
secondary succession 143, 472
seed dispersal 74, 382, 405, 491
seed fate 382
seed predation 74, 219, 542
seed reserves 429
seed size 219
seedling diversity 382
seedling establishment 462
seedling functional morphology 318
seedling morphology 318, 429
seedling recruitment 530
seedling responses to disturbance 472
selective logging 103
Sherman Peter M. 365
shifting agriculture 2
shrubs 28, 67, 103
Silander, John A., Jr. 166
Silvius, Kirsten M. 74
Sites, Robert W. 226
Smith, Geoffrey R. 240
social oviposition 555
soil-age gradient 12
soil phosphorus 2
Solomon Islands 560
southeastern Brazil 278, 289
spatial phenological variation 28
species composition 450
species interactions 84
species richness 20
specific leaf area 318
specific root length 318
Spector, Sacha 394
spectral analysis 94
spores 434
Stiles, David A. 405
stochastic extinctions 503

Sturnira lilium 405
submontane rain forest 289
succession 422, 450, 462, 542
successional position 450
swamp forest 546
sympatry 208
syndromes 491
Tacoca 181
taxa richness 278
Tayassu tajacu 189
temporal phenological variation 28
temporal variation 189
Terborgh, John 550
terra firme forests 20
Ticktin, T. 189
top-down vs. bottom-up 550
tortoise 550
tree cavities 405
tree density 166
tree ferns 48
tree frog 94
tree occupation 20
tree ring analysis 306
Trigona 119
tropical bees 119
tropical cloud forest 240
tropical deciduous forest 154
tropical dry forests 134, 550
tropical forest 37, 103, 394, 472
tropical island stream 84
tropical moist forest 441
tropical montane cloud forest 28, 67
tropical montane forest 12
tropical plant-pollinator systems 344
tropical rain forest 57, 356, 450, 530
tropical rivers 125
tropical storm 166
tropical trees 318
tropical vegetation 434
tropical wet forest 94, 306, 434
tropical montane forests 143
turbulence 94
typhoon 166
Tyrannidae 356
tyrant-flycatchers 356
Uganda 382
ultraviolet color 344
understory 103
understory environment 67
understory shrubs 28
understory structure 441
unpalatability 356
use history effects 154
van dijk, Peter J. 333
Vann, David R. 2
Vargas, Elida 375
Vargas, Orlando 434
Vasconcelos, Heraldo L. 295
vegetation dynamics 422
Venezuela 181, 550
Venticinque, Eduardo M. 115
Veracruz 67
Vieira, Daniel L. M. 115
Vieira, Ima C. G. 2
Vieira, Marcus Vinícius 419
Vitousek, Peter 12
volcanic high-island 125
Vriesea 37
Vulinec, Kevina 382
Walker, Lawrence R. 472
Wegner, Caroline 486
Whitmore, T.C. 560
Wiemann, Michael C. 434
Williams-Linera, Guadalupe 28, 67
Willig, Michael R. 226
wind speed 94
Worbes, Martin 306
Wunderlich, Meike 486
Xenosaurus newmanorum 240
Zaldivar, Maria E. 375
Zanne, Amy 382
Zarin, Daniel J. 2
Zuanon, Jansen 115